

10/004-17

FTO SB 28A (6-95)

Approved for use through 07/31/96 CMB 0651-0031

Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Please type a plus sign (+) inside this box

+

1449A PTO		U.S. Department of Commerce		Complete if Known			
Rev. 10-95		Patent and Trademark Office					
LIST OF PRIOR ART CITED BY APPLICANT (use as many sheets as necessary)							
						Application Number	
						Filing Date	
				First Named Inventor	Coelho, et al.		
Group Art Unit							
Examiner Name							
Sheet	1	of	8	Attorney Docket Number	31120-pa		

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code (if known)			
WAS	1	713,017		Pumphrey	11-04-1902	
	2	1,614,532		Mobley	01-18-1927	
	3	2,533,004		Ferry, et al.	12-05-1950	
	4	2,747,936		Wahlin	05-29-1956	
	5	3,179,107		Clark	04-20-1965	
	6	3,223,083		Cobey	12-14-1965	
	7	3,236,457		Kennedy, et al.	02-22-1966	
	8	3,269,389		Meurer, et al.	08-30-1966	
	9	3,416,737		Venus, Jr.	12-17-1968	
	10	3,467,096		Horn	09-16-1969	
	11	3,828,980		Creighton, et al.	08-13-1974	
	12	3,942,725		Green	03-09-1976	
	13	3,945,574		Polnauer, deceased, et al.	03-23-1976	
	14	4,040,420		Speer	08-09-1977	
	15	4,067,333		Reinhardt, et al.	01-10-1978	
	16	4,109,653		Kozam, et al.	08-29-1978	
	17	4,265,233		Sugitachi, et al.	05-05-1981	
	18	4,298,598		Schwarz, et al.	11-03-1981	
	19	4,359,049		Redl, et al.	11-16-1982	
WAS	20	4,362,567		Schwarz, et al.	12-07-1982	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
		Office	Number			
WAS	84	DE	25,913	Zdaril	02-12-1884	
	85	CH	259,254	Szent-Györgyi, et al.	06-01-1949	
	86	WIPO	WO 86/01814	Trustees Columbia Univ.	03-27-1986	
	87	WIPO	WO 88/02259	Weis-Fogh	04-07-1988	
WAS	88	WIPO	WO 88/03151	Univ. of Texas System	05-05-1988	

Examiner Signature	<i>W. N.</i>	Date Considered	9/7/04
--------------------	--------------	-----------------	--------

EXAMINER: Initial reference considered, whether or not citation is in compliance with MPEP § 609. Draw the through citation line in compliance and not considered. Send a copy of this form with next communication to applicant.

The citation designates number. See attached kinds of U.S. Patent documents. Enter office that issued the document by the two letter code. W.P.O. Standard ST-3. For Japanese patent documents, the indication of the year of the reign of the emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under W.P.O. Standard ST-16, if possible. Applicant is to place a check mark here if English language translation is attached.

Briefed Brief Statement: This form is estimated to take 15 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on this project or time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box

+

1449A PTO Rev. 10-95		U.S. Department of Commerce Patent and Trademark Office		Complete if Known	
LIST OF PRIOR ART CITED BY APPLICANT (use as many sheets as necessary)				Application Number	
				Filing Date	
				First Named Inventor Coelho, et al.	
				Group Art Unit	
				Examiner Name	
Sheet	2	of	8	Attorney Docket Number 31120-pa	

U.S. PATENT DOCUMENTS							
Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Number	Kind Code if Known				
WHD	21	4,363,319		Altshuler	12-14-1982	—	
	22	4,374,830		Schneider	02-22-1983	—	
	23	4,377,572		Schwarz, et al.	03-22-1983	—	
	24	4,414,976		Schwarz, et al.	11-15-1983	—	
	25	4,427,650		Stroetmann	01-24-1984	—	
	26	4,427,651		Stroetmann	01-24-1984	—	
	27	4,442,655		Stroetmann	04-17-1984	—	
	28	4,453,939		Zimmerman, et al.	06-12-1984	—	
	29	4,627,879		Rose, et al.	12-09-1986	—	
	30	4,631,055		Redl, et al.	12-23-1986	—	
	31	4,655,211		Sakamoto, et al.	04-07-1987	—	
	32	4,696,812		Silbering, et al.	09-29-1987	—	
	33	4,714,457		Alterbaum	12-22-1987	—	
	34	4,734,261		Koizumi, et al.	03-29-1988	—	
	35	4,735,616		Eibl, et al.	04-05-1988	—	
	36	4,752,466		Saferstein, et al.	06-21-1988	—	
	37	4,767,416		Wolf, et al.	08-30-1988	—	
	38	4,826,048		Skorka, et al.	05-02-1989	—	
	39	4,842,581		Davis	06-27-1989	—	
	40	4,874,368		Miller, et al.	10-17-1989	—	

FOREIGN PATENT DOCUMENTS							
Examiner Initials	Cite No.	Office		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Number	Kind Code if Known				
WHD	89	SU	1,527,261 A1		12-07-1989	—	
	90	WIPO	WO 91/09641	Cryolife, Inc.	07-11-1991	—	
	91	EP	0 443 724 A1	Baxter International, Inc.	08-28-1991	—	
	92	EP	0 505 604 A1	Warner-Lambert Co.	09-30-1992	—	
WHD	93	EP	0 534 178 A2	Octapharma AG	03-31-1993	—	

Examiner Signature		Date Considered	9/7/04
--------------------	--	-----------------	--------

EXAMINER: In order for reference to be considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Citation designation number. See attached kinds of U.S. Patent Documents. Enter Office that issued the document. For the two-letter code, WIPO Standard ST 16. For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST 16. If possible, Applicant is to place a check mark here if English language translation is attached.

Burden Hour Statement. This form is estimated to take 2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

10/000000

PTO SB 68A 16-95

Approved for use through 07/31/96 (OMB 0651-0031)

Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

Please type a plus sign (+) inside this box

+

1449A PTO		U.S. Department of Commerce		Complete if Known			
Rev. 10/95		Patent and Trademark Office					
LIST OF PRIOR ART CITED BY APPLICANT <i>(use as many sheets as necessary)</i>							
						Application Number	
						Filing Date	
				First Named Inventor	Coelho, et al.		
Group Art Unit							
Examiner Name							
Sheet	3	of	8	Attorney Docket Number	31120-pa		

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code if Known			
WHD	41	4,902,281		Avoy	02-20-1990	///
	42	4,909,251		Seelich	03-20-1990	///
	43	4,923,815		Tanaka, et al.	05-08-1990	///
	44	4,965,203		Silbering, et al.	10-23-1990	///
	45	4,978,336		Capozzi, et al.	12-18-1990	///
	46	4,979,942		Wolf, et al.	12-25-1990	///
	47	4,987,336		L'Hermite, et al.	01-22-1991	///
	48	5,037,390		Raines, et al.	08-06-1991	///
	49	5,089,415		La Duca	02-18-1992	///
	50	5,099,003		Kotitschke, et al.	03-24-1992	///
	51	5,104,375		Wolf, et al.	04-14-1992	///
	52	5,116,315		Capozzi, et al.	05-26-1992	///
	53	5,130,244		Nishimaki, et al.	07-14-1992	///
	54	5,143,838		Kraus, et al.	09-01-1992	///
	55	5,151,355		Crowley, et al.	09-29-1992	///
	56	5,165,938		Knighton	11-24-1992	///
	57	5,185,001		Galanakis	02-09-1993	///
	58	5,219,328		Morse, et al.	06-15-1993	///
	59	5,232,024		Williams	08-03-1993	///
WHD	60	5,290,259		Fischer	03-01-1994	///

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Office		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code if Known			
WHD	94	WIPO WO 93/19805		Cryolife, Inc.	10-14-1993	///
	95	WIPO WO 94/00566		Cederholm-Williams, et al.	01-06-1994	///
	96	EP 0 592 242 A1		E.R. Squibb & Sons	04-13-1994	///
	97	WIPO WO 96/17871		Plasmaseal Corporation	06-13-1996	///
WHD	98	WIPO WO 96/31245		Hamilton Civic Hospitals	10-10-1996	///

Examiner Signature	<i>W. K.</i>	Date Considered	9/7/09
--------------------	--------------	-----------------	--------

EXAMINER: Initial reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Cite citation in this patent number. See attached kinds of U.S. Patent Documents. Enter office that issued the document by the two letter code. WIPO Standard ST 2. For Japanese patent documents, the citation of the page, if the page of the document must precede the serial number of the patent document. Kind of document, the appropriate symbols as indicated in the document under WIPO Standard ST 2. Applicant is to place a check mark here if English language translation is obtained.

Border Hour Statement: This form is estimated to take 15 minutes to complete. Time will vary, depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20503.

DO NOT SEND FEES OR UNCOMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20503.

Please type a plus sign (+) inside this box

+

1449A PTO Rev. 10-95		U.S. Department of Commerce Patent and Trademark Office		Complete if Known	
LIST OF PRIOR ART CITED BY APPLICANT (use as many sheets as necessary)				Application Number	
				Filing Date	
				First Named Inventor Coelho, et al.	
				Group Art Unit	
				Examiner Name	
Sheet	4	of	8	Attorney Docket Number	31120-pa

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code (if known)			
WAB	61	5,290,552		Sierra, et al.	03-01-1994	/
	62	5,304,372		Michalski, et al.	04-19-1994	/
	63	5,328,462		Fischer	07-12-1994	/
	64	5,368,563		Lonneman, et al.	11-29-1994	/
	65	5,393,666		Linnau	02-28-1995	/
	66	5,405,607		Epstein	04-11-1995	/
	67	5,411,885		Marx	05-02-1995	/
	68	5,443,959		Kikuchi, et al.	08-22-1995	/
	69	5,460,945		Springer, et al.	10-24-1995	/
	70	5,474,540		Miller, et al.	12-12-1995	/
	71	5,474,770		Broly, et al.	12-12-1995	/
	72	5,480,378		Weis-Fogh, et al.	01-02-1996	/
	73	5,506,127		Proba, et al.	04-09-1996	/
	74	5,510,102		Cochrum	04-23-1996	/
	75	5,575,779		Barry	11-19-1996	/
	76	5,578,459		Gordon, et al.	11-26-1996	/
	77	5,585,007		Antanavich, et al.	12-17-1996	/
	78	5,605,887		Pines, et al.	02-25-1997	/
	79	5,614,204		Cochrum	03-25-1997	/
WAB	80	5,631,019		Marx	05-20-1997	/

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Office ¹		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Number	Kind Code (if known)				
WAB	99	WIPO	WO 99/45938	Sierra, David H.	09-16-1999	/	

Examiner Signature	WAB	Date Considered	9/7/04
-----------------------	------------	--------------------	---------------

¹ EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

² Unique citation designation number. See attached kinds of U.S. Patent Documents. Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST 16, if possible. Applicant is to place a check mark here if English language translation is attached.

Burden Hour Statement: This form is estimated to take 2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

†

U.S. PATENT AND TRADE OFFICE, WASHINGTON, D.C. 20540

10/000417

PTO SB 28A (6-95)

Approved for use through 07/31/95 GMB 0651-0031

Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

Please type a plus sign (+) inside this box

+

1449A PTO		U.S. Department of Commerce		Complete if Known	
Rev. 10-95		Patent and Trademark Office			
LIST OF PRIOR ART CITED BY APPLICANT (use as many sheets as necessary)				Application Number	
				Filing Date	
				First Named Inventor	
				Group Art Unit	
				Examiner Name	
Sheet	6	of	8	Attorney Docket Number	31120-pa

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, country where published, source	
WAB	100	Fenton, J., et al., "Human Thrombins", Chemistry & Biology of Thrombin, pp. 43-70. <i>No date provided.</i>	
WAB	101	Rosenberg, R.D., et al., "Bovine Thrombin: Constant Specific Activity Products From Single Animals", Fed. Proc., p. 321, Abstract No. 361. <i>No date provided.</i>	
WAB	102	Quick, A.J., et al., "Production Of Thrombin From Precipitate Obtained By Acidification Of Diluted Plasma", pp. 114-118. <i>No date provided.</i>	
WAB	103	Eagle, H., "Studies On Blood Coagulation", pp. 531-545, 1934.	
WAB	104	Mann, K.G., et al., "The Molecular Weights Of Bovine Thrombin And Its Primary Autolysis Products", pp. 6555-6557, 1969.	
WAB	105	Mann, K.G., et al., "Multiple Active Forms Of Thrombin", The Journal of Biological Chemistry, Vol. 246(19), pp. 5994-6001, 1971.	
WAB	106	Martin, M., et al., "Thrombolysis In Patients With Chronic Arterial Occlusions", Thrombolytic Therapy, Vol. 47, pp. 235-241, 1971.	
WAB	107	Fenton, J., et al., "Large-Scale Preparation And Preliminary Characterizations Of Human Thrombin", Biochimica et Biophysica Acta. Vol. 229, pp. 26-32, 1971.	
WAB	108	Andrianova, et al., "An Accessible Method Of Simultaneous Production Of Fibrinogen And Thrombin From Blood", pp. 648-650, 1975. (Plus English translation).	
WAB	109	Georgi, M., et al., "Occlusion Of The Renal Artery By Intra-Arterial Injection Of Thrombin In A Case Of Inoperable Renal Tumor", Deutsche Medizinische Wochenschrift, Vol. 100(47), pp. 2428-2429, 1975. (Plus English translation).	
WAB	110	Lundblad, R.L., et al., "Preparation And Partial Characterization Of Two Forms Of Bovine Thrombin", Biochemical and Biophysical Research Communications, Vol. 66(2), pp. 482-489, 1975.	
WAB	111	Sakuragawa, N., et al., "Purification And Some Characterization Of Human Thrombin", Acta Medica et Biologica, Vol. 23(1), pp. 65-73, 1975.	

Examiner Signature	<i>WAB</i>	Date	9/7/04
		Considered	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Unique citation designation number: Applicant is to place a check mark here if English language translation is attached.

Burden Hour Statement: This form is estimated to take 2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on this project, if applicable, required to complete this form should be sent to the Chief of Administration, Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETE FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box

+

1449A PTO		U.S. Department of Commerce		Complete if Known			
Rev. 10-95		Patent and Trademark Office					
LIST OF PRIOR ART CITED BY APPLICANT (use as many sheets as necessary)							
						Application Number	
						Filing Date	
				First Named Inventor	Coelho, et al.		
				Group Art Unit			
				Examiner Name			
Sheet	7	of	8	Attorney Docket Number	31120-pa		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No	Include name of the author in CAPITAL LETTERS; title of the article, when appropriate; title of the item (book, magazine, journal, serial, symposium, catalog, etc.); date; page(s); volume/issue number(s); publisher; country; where published; source	
WLB	112	Fenton, J., et al., "Human Thrombins: Production, Evaluation, And Properties Of α -Thrombin", The Journal of Biological Chemistry, Vol. 252(11), pp. 3587-3598, 1977.	
	113	Nordenman, B., et al., "Purification Of Thrombin By Affinity Chromatography On Immobilized Heparin", Thrombosis Research, Vol. 11, pp. 799-808, 1977.	
	114	Nowotny, R., et al., "Mechanical Properties Of Fibrinogen-Adhesive Material", Biomaterials 1980, Vol. 3, pp. 677-682, 1982.	
	115	Kotelba-Witkowska, B., et al., "Cryopreservation Of Platelet Concentrates Using Glycerol-Glucose", Transfusion, Vol. 22(2), pp. 121-124, 1982.	
	116	Redl, H., et al., "Fibrin Sealant-Antibiotic Mixture -- Stability And Elution Behavior", Fibrinkleber Orthop. Traumatol. Orthop. Symp., Vol. 4, pp. 178-181, 1982. (Plus English translation).	
	117	Redl, H., et al., "In Vitro Properties Of Mixtures Of Fibrin Seal And Antibiotics", Biomaterials, Vol. 4(1), pp. 29-32, 1983.	
	118	Gestring, G., et al., "Autologous Fibrinogen For Tissue-Adhesion, Hemostasis And Embolization", Vascular Surgery, Vol. 17, pp. 294-304, 1983.	
	119	Wolf, G., "The Concentrated Autologous Tissue Glue", Archives of Oto-Rhino-Laryngology, Vol. 237, pp. 279-283, 1983.	
	120	Tsvetkov, T.S., et al., "A Method For Preparation Of Dry Thrombin For Topical Application", Cryobiology, Vol. 21(6), pp. 661-663, 1984.	
	121	Yu, X.J., et al., "Affinity Chromatography Of Thrombin On Modified Polystyrene Resins", Journal of Chromatography, Vol. 376, pp. 429-435, 1986.	
	122	Fischer, A.M., et al., "Thrombin Purification By One-Step Preparative Affinity Chromatography On Modified Polystyrenes", Journal of Chromatography, Vol. 363(1), pp. 95-100, 1986.	
WLB	123	Harpel, P.C., "Blood Proteolytic Enzyme Inhibitors: Their Role In Modulating Blood Coagulation And Fibrinolytic Enzyme Pathways", pp. 219-234, 1987.	

Examiner Signature		Date	9/7/04
		Considered	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Include citation designation number. Applicant is to place a check mark here if English language translation is attached.

Burden Hour Statement: This form is estimated to take 2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on this form or any other information required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20230.

SEND FEES OR COMPLETED FORMS TO THIS ADDRESS: SEND TO: Assistant Commissioner for Patents, Washington, DC 20230.

10-011-17

PTO SB 08A (6-95)

Approved for use through 6/30/96 OMB 0651-0031
Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Please type a plus sign (+) inside this box +

1449A PTO Rev. 10-95	U.S. Department of Commerce Patent and Trademark Office	Complete if Known		
LIST OF PRIOR ART CITED BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number		
		Filing Date		
		First Named Inventor	Coelho, et al.	
		Group Art Unit		
		Examiner Name		
Sheet	8 of	8	Attorney Docket Number	31120-pa

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author in CAPITAL LETTERS, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, country, where published, source.	
WJ	124	Fenton, J.W., "Regulation Of Thrombin Generation And Functions", Seminars in Thrombosis and Hemostasis, Vol. 14(3), pp. 234-240, 1988.	
↑	125	Awano, K., et al., "Role Of Serotonin, Histamine, And Thromboxane A2 In Platelet-Induced Contractions Of Coronary Arteries And Aortae From Rabbits", Journal Of Cardiovascular Pharmacology, Vol. 13(5), pp. 781-792, 1989.	
↑	126	Mulvihill, J., et al., "Thrombin Stimulated Platelet Accumulation On Protein Coated Glass Capillaries: Role Of Adhesive Platelet a-Granule Proteins", Thrombosis and Haemostasis, Vol. 62(3), pp. 989-995, 1989.	
↑	127	Suzuki, S., et al., "A Study On The Properties Of Commercial Thrombin Preparations", Thrombosis Research, Vol. 53(3), pp. 271-277, 1989.	
↑	128	Ronfard, V., et al., "Use of Human Keratinocytes Cultured On Fibrin Glue In The Treatment Of Burn Wounds", Burns, Vol. 17(3), pp. 181-184, 1991.	
↑	129	Brennan, M., "Fibrin Glue", Blood Reviews, Vol. 5, pp. 240-244, 1991.	
↑	130	DePalma, L., et al., "The Preparation Of Fibrinogen Concentrate For Use As Fibrin Glue By Four Different Methods", Transfusion, Vol. 33(9), pp. 717-720, 1993.	
↑	131	McCarthy, P., "Fibrin Glue In Cardiothoracic Surgery", Transfusion Medicine Reviews, Vol. 7(3), pp. 173-179, 1993.	
↑	132	Cederholm-Williams, S., "Benefits Of Adjuvant Fibrin Glue In Skin Grafting", The Medical Journal of Australia, Vol. 161(9), p. 575, 1994.	
↑	133	Cederholm-Williams, S., "Autologous Fibrin Sealants Are Not Yet Available", The Lancet, Vol. 344, p. 336, 1994.	
↓	134	Wiegand, D.A., et al., "Assessment Of Cryoprecipitate-Thrombin Solution for Dural Repair", Head & Neck, pp. 569-573, 1994.	
WJ	135	Szczepanski, et al., "Thrombin Clotting Time and Fibrin Polymerization in Liver Cirrhosis", Materia Medica Polona, Vol. 26, No. 3, pages 87-90, 1994	

Examiner Signature		Date	9/7/04
		Considered	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

The prior art citation designator number. Applicant is to place a check mark here if English language translation is attached.

Patent Exam Statement: This form is estimated to take 12 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the utility of this form are required to complete this form should be sent to the Chief Examiner, Office of Patent and Trademark Office, Washington, DC 20503.
DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20503.